8-6 Length of Arcs

Name _____

Given the measurement of a central angle and the radius, find the measure of its intercepted arc. Show your work on a separate piece of paper.
Remember that $s = r \cdot \theta$

_____ 1.	radius = 5 cm	$\theta = \frac{\pi}{6}$
_____ 2.	radius = 3 cm	$\theta = \frac{3\pi}{4}$
_____ 3.	radius = 12 cm	$\theta = 45°$
_____ 4.	radius = 8 cm	$\theta = \frac{5\pi}{4}$
_____ 5.	radius = 6 cm	$\theta = 50°$
_____ 6.	radius = 24 cm	$\theta = \frac{\pi}{4}$
_____ 7.	radius = 30 cm	$\theta = 100°$
_____ 8.	radius = 6 cm	$\theta = 150°$
_____ 9.	radius = 14 cm	$\theta = \frac{5\pi}{3}$
_____ 10.	radius = 12 cm	$\theta = 350°$